

REFERENCE	
Title:	Carbon Dioxide Capture & Storage Research Development & Demonstration in Australia
Date:	2004
Author:	CO2CRC
Funded by:	Research and Industry participants (23)
Hard copy reference:	
URL:	https://extra.co2crc.com.au/modules/pts2/download.php?file_id=593&rec_id=90
Date accessed:	15 August 2006
Web Format:	pdf
IEA topics covered	
Geographical focus:	Australia
Brief Abstract:	Aims to guide CO2CRC and collaborators. Saline aquifers important, EOR not for Australia. Coats are crucial. Ultimately leads to hydrogen economy.

OUTPUTS	
Short Report?	No
Major report?	Yes
Visualisations?	Yes
Information held on dedicated software?	No
- which package?	

ARCHITECTURE	
Timescales used:	<ul style="list-style-type: none"> • Level 0: past 5 years • Level 1: 0 – 10 years • Level 2: 10 – 20 years • Level 3: 20 – 30 years
Trends and drivers?	Yes
- list	Cost of capture
Enablers?	
- list	
Performance measures/targets?	
- list areas	
Mapping of RD&D activities?	
Critical assessment of capabilities?	

PROCESS	
Methods used:	
- Desk study?	
- Consultation	
- Interviews?	
- Facilitated workshop(s)	Yes
- Working groups/task force	
- Integrated Process	
Stakeholders engaged:	
University based researchers	Yes
Other public sector researchers	Yes
Business – technology	Yes
Business – other	Yes
Government – energy	Yes
Government – SET	
Government – other	
NGOs	
No of people engaged:	
Budget (if known):	
Commitment to re-visit?	Yes, no timescale

ACTIONS IDENTIFIED	
List of actions?	Yes
Actions listed according to timescale?	No
Actions prioritised?	No
Sequencing/dependencies identified?	No
Responsibility for actions identified?	No
Types of actions identified:	
- Basic research?	
- list areas	
- Applied research?	Yes
- list areas	<p>CO₂ injection:</p> <ul style="list-style-type: none"> • Geomechanical effects • Near-well formation damage • Near-well chemical changes including hydrates <p>CO₂ storage:</p> <ul style="list-style-type: none"> • Geomechanical • Natural analogues • Saline aquifers • PVT of water and CO₂ • Interaction with other geological resources • Fluid mixing models <p>Monitoring and verification:</p> <ul style="list-style-type: none"> • Airborne • Natural analogues • Seismic and other geophysical techniques

- Development & demonstration	Yes
- list areas?	<ul style="list-style-type: none">• Capture• Storage
- Other types of action?	
- list other types	